

Title (en)  
PHOTOVOLTAIC AIR CONDITIONING SYSTEM

Title (de)  
PHOTOVOLTAISCHE KLIMAANLAGE

Title (fr)  
SYSTÈME PHOTOVOLTAÏQUE DE CLIMATISATION

Publication  
**EP 3051217 B1 20181128 (EN)**

Application  
**EP 14849007 A 20140611**

Priority  
• CN 201310442150 A 20130925  
• CN 2014079689 W 20140611

Abstract (en)  
[origin: EP3051217A1] The invention discloses a photovoltaic air conditioning system, which includes a photovoltaic cell array (10), an air conditioning unit (30), a current conversion unit (20) and direct current bus-bars (40 and 50). The air conditioning unit (30) includes a first inverter module (31), the current conversion unit (20) is connected between a public grid (60) and the first inverter module (31), and capacity of the current conversion unit (20) is configured according to a requirement of the photovoltaic cell array (10) or the public grid (60). Direct current generated by the photovoltaic cell array (10) and direct current rectified and output by the current conversion unit (20) are supplied to the first inverter module (31) for supply to the air conditioning unit (30).

IPC 8 full level  
**F24F 5/00** (2006.01); **H02J 3/38** (2006.01)

CPC (source: EP KR US)  
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Cited by  
CN110213949A; EP3967946A4; US11879660B2

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DOCDB simple family (publication)  
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